Nanotechnology Research At California Universities On Environmental Sensors And Remediation

Name / Affiliation	Research
California Institute of Technology Principal Investigator: William A. Goddard Mamadou S. Diallo (involved with another out of state Uni.) **Howard University, University of Michigan**	Dendritic Nanoscale Chelating Agents: Synthesis, Characterization, Molecular Modeling and Environmental Applications http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.institutionInfo/institution/294
Principal Investigator: Mamadou S. Diallo William A. Goddard Jose Luis Riechmann (involved with another out of state Uni.) **Howard University**	Cellular Uptake and Toxicity of Dendritic Nanomaterials: An Integrated Physicochemical and Toxicogenomics Study http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/7857/report/0
University of California – Berkeley Principal Investigator: Subramanian, Vivek	Low Cost Organic Gas Sensors on Plastic for Distributed Environmental Monitoring http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/6070/report/0
University of California - Los Angeles Principal Investigator: Senkan, Selim M.	Nanostructured Catalytic Materials for NOx Reduction Using Combinatorial Methodologies http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/6133/report/0
Principal Investigator: Richard Kaner	"Polyaniline nanofibers on a simple gapelectrode sensor provide a rapid means to detect hazardous vapors. The use of nano-fibers reduces the response time while a variety of additives allow specific detection of harmful chemicals." http://www.cnsi.ucla.edu/arr/editions-desc?edition%5fid=129824

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University of California – Riverside Principal Investigator: Mulchandani, Ashok Chen, Wilfred Myung, Nosang V. Yates, Marylynn V.	Conducting-Polymer Nanowire Immunosensor Arrays for Microbial Pathogens http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/7569/report/0
Principal Investigator: (involved with another out of state Uni.) **SUNY at Binghamton**, New Mexico State University	Advanced Nanosensors for Continuous Monitoring of Heavy Metals http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/6124
Principal Investigator: Chen, Wilfred Matsumoto, Mark Mulchandani, Ashok	Nanoscale Biopolymers with Tunable Properties for Improved Decontamination and Recycling of Heavy Metals http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/5990
University of California - San Diego Principal Investigator: Trogler, William C. Sailor, Michael J.	Nanostructured Porous Silicon and Luminescent Polysiloles as Chemical Sensors for Carcinogenic Chromium(VI) and Arsenic(V) http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/2368/report/0
University of California - Santa Barbara Principal Investigator: Holden, Patricia (involved with another out of state Uni.) **McGill University – Canada**	Transformations of Biologically-Conjugated CdSe Quantum Dots Released into Water and Biofilms http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/7390/report/0
Principal Investigator: Arnold J. Forman	Design and Fabrication of High Surface Area Photocatalytic Nanostructures for High Efficiency Solar Degradation of Environmental Pollutants http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/7596/report/0